

Satish Khasa

List of Publications by Year in descending order

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86
papers

1,406
citations

279798

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377865

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all docs

86
docs citations

86
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and impedance spectroscopic investigations of eco-friendly alkali phosphoborate glass-ceramics containing zirconium ion. Environmental Science and Pollution Research, 2023, 30, 98609-98618.	5.3	3
2	Tuneable colour flexibility in Dy ³⁺ &Eu ³⁺ co-doped lithium fluoride bismuth borate glass system for solid state lighting applications. Journal of Non-Crystalline Solids, 2022, 576, 121237.	3.1	24
3	Compositional variation of dielectric and magnetic parameters in Ni _{0.5} Mg _x Zn _{0.5-x} Fe ₂ O ₄ spinel ferrites. Journal of Materials Science: Materials in Electronics, 2022, 33, 9709-9721.	2.2	2
4	Structural analysis of mixed transition metal ion doped barium-boro-bismuthate glass system. Journal of Molecular Structure, 2022, 1264, 133291.	3.6	3
5	Investigations on structure, dielectric and multiferroic behavior of (1-x)BaFe ₁₂ O ₁₉ -(x)BaTiO ₃ composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 16441-16465.	2.2	8
6	Structural refinement, dielectric and spin exchange magnetic analysis of (1-x) BaFe ₁₂ O ₁₉ - (x) CoFe ₂ O ₄ composites. Physica B: Condensed Matter, 2022, 643, 414191.	2.7	6
7	Effect of Li ⁺ ions on structural, optical and nano-crystallization behaviour of Na ₂ O-CaO- P ₂ O ₅ -B ₂ O ₃ glass system: Biomedical applications. Journal of Non-Crystalline Solids, 2022, 593, 121774.	3.1	4
8	Crystallization of BaFe ₁₂ O ₁₉ magnetic particles in Fe ₂ O ₃ -B ₂ O ₃ -Bi ₂ O ₃ -BaO-LiCl glass ceramics. Bulletin of Materials Science, 2021, 44, 1.	1.7	5
9	Structural, dielectric and magnetic characteristics of Mn-substituted Bi _{0.80} Nd _{0.20} FeO ₃ multiferroics. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
10	Dielectric and Magnetic Study of NiCuZn Spinel Ferrites. ECS Journal of Solid State Science and Technology, 2021, 10, 091013.	1.8	7
11	Effect of magnetic ion, Fe ³⁺ on the structural and dielectric properties of Oxychloro Bismuth Borate Glasses. Solid State Sciences, 2020, 110, 106491.	3.2	26
12	Structural refinement and DC conductivity of cobalt doped copper ferrite. AIP Conference Proceedings, 2020, , .	0.4	0
13	Structural and electrical properties of Ni-Mg-Zn spinel ferrites. AIP Conference Proceedings, 2020, , .	0.4	2
14	Structural refinement, investigation of dielectric and magnetic properties of NBT doped BaFe ₁₂ O ₁₉ novel composite system. Journal of Alloys and Compounds, 2020, 826, 154214.	5.5	49
15	Physical, structural and magnetic study of 2V ₂ O ₅ -39Li ₂ O - 59P ₂ O ₅ dilute magnetic glass. AIP Conference Proceedings, 2020, , .	0.4	0
16	Structural and magnetic investigations of innovative lead-free particulate composites of NBT- M-Type SrFe ₁₂ O ₁₉ Hexaferrite. Vacuum, 2020, 177, 109436.	3.5	10
17	Investigations of structural, enhanced dielectric and magnetic properties of NBT doped ferrite system. Materials Chemistry and Physics, 2020, 249, 123214.	4.0	30
18	Dielectric properties, complex impedance analysis and electrical properties of novel particulate composites of NBT-SrFe ₁₂ O ₁₉ . Journal of Materials Science: Materials in Electronics, 2020, 31, 11609-11617.	2.2	12

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19	Physical, Structural, and Magnetic Study of Dilute Magnetic Glasses: $x\text{Fe}_{2}\text{O}_{3} + (2-x)\text{V}_{2}\text{O}_{5} + 38\text{Li}_{2}\text{O} + 60\text{P}_{2}\text{O}_{5} + 5\text{B}_{2}\text{O}_{3}$. Acta Physica Polonica A, 2020, 137, 1196-1208.		
20	Density and FTIR study of $\text{Fe}_{2}\text{O}_{3} - \text{V}_{2}\text{O}_{5} - \text{Na}_{2}\text{O} - \text{B}_{2}\text{O}_{3}$ dilute magnetic glasses. AIP Conference Proceedings, 2020, , .	0.4	0
21	Influence of mixed transition ion on structural and optical properties of lithium bismuth borate glasses. AIP Conference Proceedings, 2020, , .	0.4	3
22	Rietveld refinement, dielectric and magnetic properties of NBT-Spinel ferrite composites. Journal of Alloys and Compounds, 2019, 806, 737-752.	5.5	61
23	Influence of LiCl on electrical properties of dysprosium doped calcium bismo borate glasses. AIP Conference Proceedings, 2019, , .	0.4	1
24	Structural and dielectric properties of $\text{Na}_{0.7}\text{Bi}_{0.3}\text{TiO}_{3}$. AIP Conference Proceedings, 2019, , .	0.4	0
25	Crystal structure refinement and electrical properties of $\text{Ni}_{1-x}\text{Cu}_{x}\text{Zn}_{y}\text{Fe}_{2}\text{O}_{4}$ spinel ferrites. AIP Conference Proceedings, 2019, , .	0.4	2
26	Structural investigations of lithium bismuth borate glasses doped with nickel ferrite. AIP Conference Proceedings, 2019, , .	0.4	1
27	Compositional dependence of white light emission in Dy^{3+} doped $\text{NaCl} \sim \text{BaO}$ bismuth borate glasses. Journal of Luminescence, 2019, 209, 121-128.	3.1	26
28	White light emission from Dy^{3+} doped $\text{LiCl} \sim \text{CaO} \sim \text{Bi}_{2}\text{O}_{3} \sim \text{B}_{2}\text{O}_{3}$ glasses. AIP Conference Proceedings, 2019, , .	0.4	1
29	Electrical characterization, crystallization and structural properties of iron doped barium bismuth borate glass ceramics. AIP Conference Proceedings, 2019, , .	0.4	1
30	Compositional dependence of properties in calcium substituted sodium borophosphate glasses containing VO^{2+} ions. Bulletin of Materials Science, 2019, 42, 1.	1.7	4
31	Structural, Physical, Electrical and Dielectric Properties of Magnetic Glasses: $x\text{Fe}_{2}\text{O}_{3} + (30-x)\text{V}_{2}\text{O}_{5} + 30\text{Na}_{2}\text{O} + 40\text{B}_{2}\text{O}_{3}$ with $x=0$ to 15. Acta Physica Polonica A, 2019, 136, 897-909.	0.5	3
32	Lead modified properties of molybdenum doped lithium borate glasses. Journal of Non-Crystalline Solids, 2018, 485, 24-33.	3.1	18
33	Improved white light emission in Dy^{3+} doped $\text{Li} \sim \text{CaO} \sim \text{Bi}_{2}\text{O}_{3} \sim \text{B}_{2}\text{O}_{3}$ glasses. Journal of Non-Crystalline Solids, 2018, 498, 470-479.	3.1	27
34	Nano-crystalline phase evolution and structural modification in Co/V substituted $\text{Li}_{2}\text{O} - \text{Bi}_{2}\text{O}_{3} - \text{B}_{2}\text{O}_{3}$ glasses. AIP Conference Proceedings, 2018, , .	0.4	0
35	Spectroscopic and thermal properties of Sm^{3+} doped iron lead bismuthate glasses. AIP Conference Proceedings, 2018, , .	0.4	0
36	XRD and FTIR analysis heat treated lithium bismo-borate glasses doped with 1.0 mol% copper ferrite. AIP Conference Proceedings, 2018, , .	0.4	2

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37	Improved structural, dielectric and magnetic properties of Ca ²⁺ and Nb ⁵⁺ co-substituted BiFeO ₃ multiferroics. Journal of Alloys and Compounds, 2017, 722, 606-616.	5.5	26
38	Rietveld refinement and electrical properties of Ni-Zn spinel ferrites. AIP Conference Proceedings, 2017, , .	0.4	7
39	Structural influence of mixed transition metal ions on lithium bismuth borate glasses. Solid State Sciences, 2017, 70, 54-65.	3.2	46
40	Dy ³⁺ doped LiClâ€“CaOâ€“Bi ₂ O ₃ â€“B ₂ O ₃ glasses for WLED applications. Ceramics International, 2017, 43, 11132-11141.	4.8	59
41	Crystal structure transformation and improved dielectric and magnetic properties of La-substituted BiFeO ₃ multiferroics. Ceramics International, 2017, 43, 12095-12101.	4.8	30
42	Electrical characterization of lithium bismuth borate glasses containing cobalt/vanadium ions. Solid State Ionics, 2017, 312, 21-31.	2.7	45
43	On the dual role of halogen in magnesium oxyhalide bismuth borate glasses: Insight through optical absorption. Optik, 2017, 144, 22-25.	2.9	9
44	Synthesis modified structural and dielectric properties of semiconducting zinc ferrosinels. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 168-174.	2.7	6
45	On the role of ZnO on properties of vitreous bismuth silicates. Journal of Alloys and Compounds, 2017, 696, 688-696.	5.5	19
46	Compositional Dependence of Optical Absorption in Barium Oxychloride Borate Glasses. Journal of Advanced Physics, 2017, 6, 116-120.	0.4	6
47	Appearance of small polaron hopping conduction in iron modified cobalt lithium bismuth borate glasses. AIP Conference Proceedings, 2016, , .	0.4	5
48	Dielectric properties of nickel doped bismuth lithium borate glasses. AIP Conference Proceedings, 2016, , .	0.4	0
49	Dielectric characterization VO ²⁺ doped CaCl ₂ â€“CaOâ€“B ₂ O ₃ glasses. Materials Letters, 2016, 176, 241-243.	2.6	7
50	Structural, optical and thermal properties of transition metal ions doped bismuth borate glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 45-52.	0.5	23
51	Fe-substituted Co-Li bismuth borate glasses. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1191-1199.	3.6	19
52	Synthesis, thermal and spectroscopic characterization of lithium bismuth borate glasses containing mixed transition metal ions. Journal of Commonwealth Law and Legal Education, 2016, 57, 146-152.	0.5	8
53	Nano crystalline Bi ₂ (VO ₅) phases in lithium bismuth borate glasses containing mixed vanadium-nickel oxides. AIP Conference Proceedings, 2016, , .	0.4	1
54	Thermal characterization of novel magnesium oxyhalide bismo-borate glass doped with VO ₂ ⁺ ions. Journal of Thermal Analysis and Calorimetry, 2016, 123, 457-465.	3.6	24

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55	EPR and impedance spectroscopic investigations on lithium bismuth borate glasses containing nickel and vanadium ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 129-137.	3.9	55
56	Effect of mixed transition metal ions on DC conductivity in lithium bismuth borate glasses. AIP Conference Proceedings, 2015, , .	0.4	6
57	Structural study and DC conductivity of vanadyl doped zinc lithium borate glasses. AIP Conference Proceedings, 2015, , .	0.4	4
58	Optical absorption and heating rate dependent glass transition in vanadyl doped calcium oxy-chloride borate glasses. Journal of Molecular Structure, 2015, 1086, 172-178.	3.6	30
59	Effect of substituting iron on structural, thermal and dielectric properties of lithium borate glasses. Materials Research Bulletin, 2015, 70, 559-566.	5.2	47
60	Physical, thermal, structural and optical absorption studies of vanadyl doped magnesium oxy-chloride bismo-borate glasses. Journal of Asian Ceramic Societies, 2015, 3, 206-211.	2.3	35
61	Optical and thermal investigations on vanadyl doped zinc lithium borate glasses. Journal of Asian Ceramic Societies, 2015, 3, 234-239.	2.3	45
62	Chemical synthesis and magnetic investigations on Cr ³⁺ substituted Zn-ferrite superparamagnetic nano-particles. Ceramics International, 2015, 41, 1907-1911.	4.8	23
63	EPR, FTIR, thermal and electrical properties of VO ²⁺ doped BaCl ₂ ·xBaO·B ₂ O ₃ glasses. Journal of Molecular Structure, 2015, 1079, 15-20.	3.6	50
64	Effect of alkali addition on DC conductivity & thermal properties of vanadium-bismo-borate glasses. AIP Conference Proceedings, 2014, , .	0.4	12
65	Effect of MoO ₃ on electron paramagnetic resonance spectra, optical spectra and dc conductivity of vanadyl ion doped alkali molybdo-borate glasses. Journal of Molecular Structure, 2014, 1060, 182-190.	3.6	14
66	Dielectric characterization of bismuth layered (Bi ₂ O ₃)(Na _x Fe _{1-x} O ₃) ceramics. Physica B: Condensed Matter, 2014, 436, 64-73.	2.7	6
67	The Effect of Matrix and Reinforcement Material Selection on the Tensile Properties of Hybrid Composites. The Journal of Sustainable Mobility, 2014, 1, 37-52.	0.0	3
68	Structural and Dielectric Investigations of Ferrite Nanoparticles Prepared by Chemical Co-Precipitation Method. Journal of Advanced Physics, 2014, 3, 111-115.	0.4	2
69	Study of EPR, optical properties and dc conductivity of VO ²⁺ ion doped TiO ₂ ·R ₂ O·B ₂ O ₃ (R=Li and K) glasses. Journal of Alloys and Compounds, 2013, 568, 112-117.	5.5	13
70	FTIR studies of some vanadyl ion doped calcium oxychloride borate glasses. , 2013, , .		7
71	Study of (Bi ₂ O ₃)(Ba _x Mo _{1-x} O ₃) polycrystalline ceramic as relaxor ferroelectric. Physica B: Condensed Matter, 2012, 407, 4752-4759.	2.7	3
72	Dielectric loss, conductivity relaxation process and magnetic properties of Mg substituted Ni-Cu ferrites. Journal of Magnetism and Magnetic Materials, 2012, 324, 2506-2511.	2.3	70

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73	Conductivity and dielectric relaxation in niobium alkali borate glasses. <i>Physica B: Condensed Matter</i> , 2010, 405, 4919-4924.	2.7	18
74	Structural investigations of vanadyl doped $Nb_2O_5 \cdot K_2O \cdot B_2O_3$ glasses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 2, 012054.	0.6	2
75	Influence of $Nb_{2 \times 2} O_{5 \times 5}$ on the optical band gap and electrical conductivity of $Nb_{2 \times 2} O_{5 \times 5} \cdot BaO \cdot B_{2 \times 2} O_{3 \times 3}$. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 2, 012041.	0.6	10
76	Effect of Bi_2O_3 on electron paramagnetic resonance, optical transmission and conductivity in vanadyl-doped $Bi_2O_3 \cdot K_2O \cdot B_2O_3$ glasses. <i>Materials Chemistry and Physics</i> , 2004, 85, 215-221.	4.0	19
77	Study of electron paramagnetic resonance, optical transmission and dc conductivity of vanadyl doped $Bi_2O_3 \cdot B_2O_3 \cdot Li_2O$ glasses. <i>Journal of Alloys and Compounds</i> , 2004, 377, 225-231.	5.5	19
78	Mixed alkali effect in optical properties of lithium-potassium bismuth borate glass system. <i>Materials Letters</i> , 2004, 58, 694-698.	2.6	30
79	Electron paramagnetic resonance, optical transmission spectra and DC conductivity studies of vanadyl-doped alkali halide borate glasses. <i>Physica B: Condensed Matter</i> , 2003, 334, 347-358.	2.7	14
80	Effect of Bi_2O_3 on EPR, optical transmission and DC conductivity of vanadyl doped alkali bismuth borate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 2281-2288.	4.0	50
81	Electron Paramagnetic Resonance, Optical Spectra and DC Conductivity Studies of Vanadyl Doped $Bi_{2 \times 2} O_{3 \times 3} \cdot BaO \cdot B_{2 \times 2} O_{3 \times 3}$ Glasses. <i>Radiation Effects and Defects in Solids</i> , 2003, 158, 655-665.	1.2	2
82	Effect of nickel ions on electron paramagnetic resonance, DC conductivity and thermal behavior in vanadyl doped $NiO \cdot Li_2O \cdot B_2O_3$ glasses. <i>Materials Chemistry and Physics</i> , 2001, 72, 366-373.	4.0	50
83	Electron paramagnetic resonance and thermal behaviour of lithium potassium borate glasses containing Cu^{2+} ions. <i>Optical Materials</i> , 1999, 12, 47-52.	3.6	19
84	EPR study of vanadyl ions in $Li_2O \cdot MoO_3 \cdot B_2O_3$ glasses. <i>Materials Research Bulletin</i> , 1999, 34, 1089-1097.	5.2	22
85	Effect of vanadium and cobalt ions on electrical conductivity and EPR in sodium borate glasses. <i>Radiation Effects and Defects in Solids</i> , 1997, 140, 197-208.	1.2	17
86	Electron paramagnetic resonance study of the vanadyl ion in $xCoO \cdot (1-x)(ZnO \cdot 2B_2O_3)$ glasses. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997, 76, 859-865.	0.6	24